

What is claimed is:

Sub A1
5 1. A process for preparing antimicrobial polymers, which comprises polymerizing aliphatically unsaturated monomers which have been at least singly functionalized by means of a secondary amino group.

10 2. The process as claimed in claim 1, wherein aliphatically unsaturated monomers functionalized by means of a secondary amino group and having the general formula



15 where R^1 is a branched, unbranched or cyclic, saturated or unsaturated hydrocarbon radical having up to 50 carbon atoms which may have substitution by O atoms, N atoms or S atoms, and

20 R^2 is a branched, unbranched or cyclic, saturated or unsaturated hydrocarbon radical having up to 25 carbon atoms, which may have substitution by O atoms, N atoms or S atoms,

are used.

25 3. The process as claimed in claim 1 or 2, wherein the polymerization is carried out on a substrate.

30 4. The process as claimed in one of claims 1 to 3, wherein the polymerization is carried out as a graft polymerization of a substrate.

5. The process as claimed in claim 4,

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wherein

the substrate is activated prior to the graft polymerization by UV radiation, plasma treatment, corona treatment, flame treatment, ozonization, electrical discharge or γ -radiation.

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6. The process as claimed in claim 4,

wherein

the substrate is activated prior to the graft polymerization by UV radiation with a photosensitizer.

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7. The use of the antimicrobial polymers prepared as claimed in one of claims 1 to 6 for producing products with an antimicrobial coating made from the polymer.

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8. The use of the antimicrobial polymers prepared as claimed in one of claims 1 to 6 for producing items in medical technology with an antimicrobial coating made from the polymer.

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9. The use of antimicrobial polymers prepared as claimed in one of claims 1 to 6 for producing hygiene items with an antimicrobial coating made from the polymer.

10. The use of the antimicrobial polymers prepared as claimed in one of claims 1 to 6 in surface coatings, in protective paints or in other coatings.

Add A2

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